

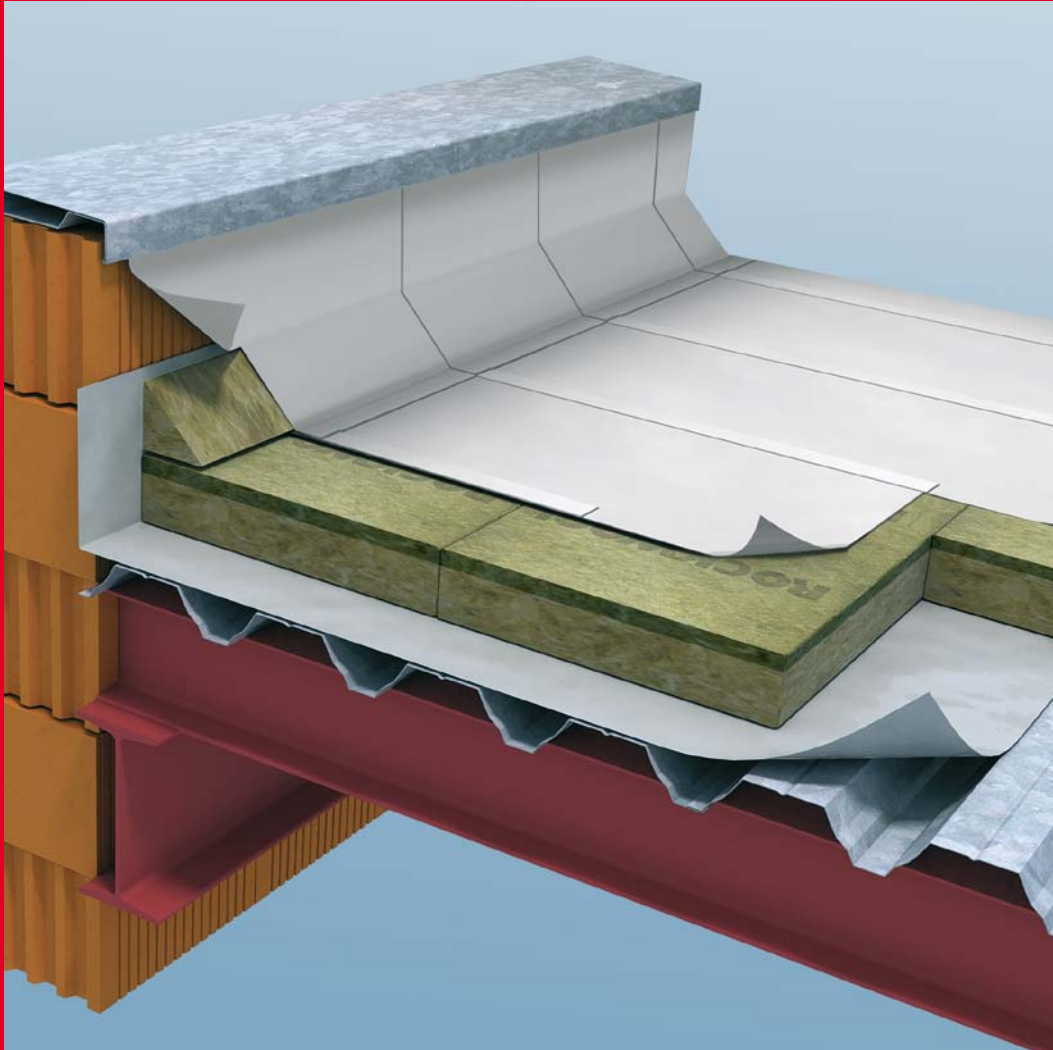
Technical  
Datasheet

Application

**Flat roofs**

Dual density slabs

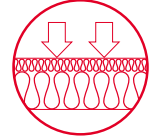
# Monrock MAX E



**ROCKWOOL®**

# Monrock MAX E

Flat roofs  
Dual density slabs



## PRODUCT DESCRIPTION

Stone wool dual density slabs for fire safe, acoustic and thermal insulation of warm and ventilated flat roofs.

## ADVANTAGES

- excellent thermal insulation; low value of thermal conductivity ( $\lambda$ ) additionally improved with less density lower layer;  $\lambda$  value 10% better than standard monolith slabs
- superior acoustic performance
- non-combustible material; reaction to fire class A1
- dual density – upper high density layer provides high point load resistance
- vapor transmission
- water repellency
- dimensionally stable
- chemically inert

## APPLICATION

Rockwool Monrock MAX E slabs are recommended for installment on impassable concrete construction roofs or on deep profile steel decks. Dual density enables single thickness ply without thermal bridges. Advantage of these products for usage with PVC or TPO roof membranes is in extremely high point load compressive resistance. Extremely high density of upper layer (20 mm) is specifically marked with Rockwool sign or a dark line, and should be always facing upward.

## PRODUCT DIMENSIONS AND PACKAGING

Thickness (mm)	50	60	70	80	90	100	110	120	140	160	180
Length x width (mm)	2000x1200 ili 1200x600										
m <sup>2</sup> / pallet	57.60	48.00	38.40	36.00	28.80	28.80	24.00	24.00	19.20	19.20	16.80

Pallet dimensions 2000x1200x(1270-1430) mm. Available also in 1200x600 mm dimensions.

## TECHNICAL SPECIFICATIONS

Property	Symbol	Value	Unit	Standard
Reaction to fire	-	A1	-	EN 13501-1
Thermal conductivity	$\lambda_D$	0.038	W/mK	EN 12667
Nominal density	$\rho$	210 upper layer 120 lower layer	kg/m <sup>3</sup>	EN 1602
Point load resistance	PL(5)600	$\geq 600$	N	EN 12430
Compression strength at 10% deformation	CS(10)40	$\geq 40$	kPa	EN 826
Thickness tolerance	T4	-3 +5	mm	EN 823
Short term water absorption	WS	$\leq 1.0$	kg/m <sup>2</sup>	EN 1609
Long term water absorption	WL(P)	$\leq 3.0$	kg/m <sup>2</sup>	EN 12087
Vapor transmission	$\mu$	1.4	-	EN 12086
Melting point	T <sub>t</sub>	> 1000	°C	DIN 4102
Certificate	Certificate of conformity CE No. 1163-CPD-0253			
Product key	MW-EN 13162-T4-DS(T+)-DS(TH)-TR10-CS(10)40-PL(5)600-MU1-WS-WL(P)			

**ROCKWOOL®**

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The information contained in this data sheet is believed to be correct at the date of publication. Whilst Rockwool continuously develops products, a reader is kindly asked to request latest data sheet from a distributor. Rockwool Adriatic reserves the right to alter or amend the specification of products without notice.

www.rockwool.com.tr

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